

## MICRO GRATING STRUCTURE

### ABSTRACT OF THE DISCLOSURE

The micro grating structure is provided. The micro grating structure includes a substrate; a first supporting structure and a second supporting structure; a first structure post and a second structure post, wherein the first structure post and the second structure post are mounted on the substrate between the first supporting structure and the second supporting structure; and a grating mounted between the first structure post and the second structure post and comprising a first, a second, a third and a fourth torsion beams, wherein the first and the second torsion beams are connected to the first and the second supporting structures respectively, the third and the fourth torsion beams are connected to the first and the second structure posts respectively, and the first, the second, the third and the fourth torsion beams are twisted by an electrostatic force so as to enable the grating to be inclined at an angle with respect to the substrate.